ABSTRACT

Methods are disclosed for collecting sensor data in a pressure regulator system including a controller and a plurality of sensors. The controller and each of the individual sensors are activated as required to collect sensor data during a sampling period thereby reducing the amount of power consumed by the pressure regulator system. Further power conservation measures are implemented by using a battery sensor to monitor the capacity of the pressure regulator battery and placing the pressure regulator in reduced power consumption operating modes as the capacity of the battery is reduced.